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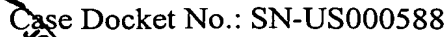
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE BOARD OF PATENT APPEALS AND INTERFERENCES

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Appeal No.: _____

Group Art Unit: 3654

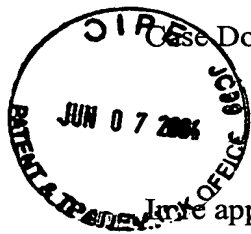
Examiner: Evan H. Langdon

BRIEF ON APPEAL

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Case Docket No.: SN-US000588

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE BOARD OF PATENT APPEALS AND INTERFERENCES

In re application of:

Takeshi IKUTA

Serial No.: 09/986,689

Filed: November 9, 2001

For: DUAL-BEATING REEL

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Appeal No.: _____

Group Art Unit: 3654

Examiner: Evan H. Langdon

BRIEF ON APPEAL

Commissioner of Patents
United States Patent and Trademark Office
Washington, D.C. 20231

Sir:

For the appeal to the Board of Patent Appeals and Interferences from the Examiner's decision dated February 10, 2004 finally rejecting claims 1, 3-13, 16,-18, 21, and 22, Applicant-Appellant submits the following brief in accordance with 37 C.F.R. §1.192 (a).

}

1. Real Party In Interest

Shimano, Inc. is the owner in the above-identified patent application. Thus, the real party in interest is Shimano, Inc.

2. Related Appeals and Interferences

Appellant and Appellant's legal representatives are not aware of any appeals or interferences relating to the above-identified patent application.

3. Status of Claims

Claims 1, 3-13, 16-18, 21, and 22 are pending with claims 12-13 having been allowed. On April 9, 2004, Appellant appealed from the final rejection of claims 1, 3-13, 16-18, 21, and 22.

4. Status of Amendments

Claims 1, 3, 12, 16, and 21-22 of the present application have been amended during the course of prosecution, while claims 4-11, 13 and 17-18 have never been amended. The Appellant is filing an amendment concurrently with the filing of this Brief to amend to claims 1 and 16 and the specification. For the reasons explained in the Remarks section of the Amendment, Appellant believes that the Amendment is entitled to entry under the standards governed by 37 C.F.R. §1.116.

5. Summary of the Invention

Appellant's invention on appeal concerns a dual bearing fishing reel onto which a harness for tying an angler is attachable. Specifically, the fishing reel of the present invention has a harness connector, to which the harness is attachable, on a side of the reel body on which the rod mount is mounted. By providing the harness connector on the side of the reel body on which the rod mount is provided, the angler does not need to support the fishing reel to prevent the fishing reel from rotating around the fishing rod. In this manner, a burden on the angler's shoulders can be reduced. In the main embodiments of the present application, the dual bearing reel (claims 1 and 16) includes a reel body 1, a rod mount 20 coupled to a fishing rod RD and attached to the reel body 1, a harness clip 4 (a harness connector) that removably and reattachably engages the harness HN, a drag lever 5, a spool 2,

and a handle 3 (Figure 1, page 5, line 22 – page 6, line 5). The harness clip 4 is provided on a side of the reel body 1 on which the rod mount 20 is mounted (Figures 1, 2, page 7, lines 14-15). The drag lever 5 is pivotally fitted to the reel body 1 and extends toward the side of the reel body 1 on which the rod mount 20 is provided (Figures 1, 2, page 6, lines 8-11 as amended by the January 13, 2004 Amendment).

6. Issues

Claims 1, 3-11, 16-18, and 21-22 were rejected to under 35 U.S.C. §112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter. Specification was objected to as falling to provide proper antecedent basis for the claimed subject matter.

Claims 1, 3-11, 16-18, and 21-22 stand finally rejected in view of prior art. More specifically, claims 1, 3, 4, 6, 8, 16-18, 21, and 22 stand rejected under §103 (a) as being unpatentable over U.S. Patent No. 4,688,346 to Collins (“Collins patent”) in view of U.S. Patent No. 5,150,854 to Noda (“Noda patent”) and U.S. Patent No. 5,615,842 to Furubayashi (“Furubayashi patent”). Claims 5 and 7 stand rejected under §103 (a) as being unpatentable over the Collins patent, the Noda patent, and the Furubayashi patent, further in view of the U.S. Patent No. 3,166,269 to Veroli (“Veroli patent”). Claims 9-11 stand rejected under §103 (a) as being unpatentable over the Collins patent, the Noda patent, and the Furubayashi patent, further in view of the U.S. Patent No. 5,865,388 to Yeh (“Yeh patent”).

Claims 1, 3-8, 16-18 and 21-22 are rejected under §103 (a) as being unpatentable over the Veroli patent in view of the Noda patent and the Furubayashi patent. Claims 9-11 are rejected under §103 (a) as being unpatentable over the Veroli patent, the Noda patent, and the Furubayashi patent, further in view of the Yeh patent.

The following issues are presented for review:

- (A) Whether claims 1, 3-11, 16-18, and 21-22 fail to particularly point out and distinctly claim the subject matter which Appellant regards as the invention under 35 U.S.C. §112.
- (B) Whether the specification fails to provide proper antecedent basis for the claimed subject matter under 37 C.F.R. §1.75(d)(1).
- (C) Whether claims 1, 3-11, 16-18, and 21-22 are unpatentable over U.S. Patent No. 4,688,346 to Collins in view of U.S. Patent No. 5,150,854 to Noda, U.S. Patent No. 5,615,842 to Furubayashi, U.S. Patent No. 3,166,269 to Veroli, and U.S. Patent No. 5,865,388 to Yeh under 35 U.S.C. §103.
- (D) Whether claims 1, 3-11, 16-18, and 21-22 are unpatentable over U.S. Patent No. 3,166,269 to Veroli, in view of U.S. Patent No. 5,150,854 to Noda, U.S. Patent No. 5,615,842 to Furubayashi, and U.S. Patent No. 5,865,388 to Yeh under 35 U.S.C. §103.

7. Grouping of Claims

Claims 1, 3-5 and 7-11, 16, 18, and 21-22 stand and fall together. Claims 6 and 17, however, do not stand or fall together. The reason why Appellant believes these claims to be separately patentable are explained below in the Argument.

8. Arguments

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Appellant presents the following arguments:

BRIEF SUMMARY OF ARGUMENTS

- A. Claims 1 and 16 as amended either by the January 13, 2004 Amendment or the attached Amendment do particularly point out and distinctly claim the subject matter which Appellant regards as the invention under 35 U.S.C. §112.
- B. The specification as amended either by the January 13, 2004 Amendment or the attached Amendment provides proper antecedent basis for the direction in which the drag lever extends as set forth in claims 1 and 16 under 37 C.F.R. §1.75(d)(1).
- C. The Collins patent, the Veroli patent, the Noda patent, the Furubayashi patent, and the Yeh patent in any combination do not render obvious claims 1 and 16 under 35 U.S.C. §103.
- D. Appellant believes that claims 6 and 17 are separately patentable.

The foregoing arguments are explained in more detail below.

- A. **Claims 1 and 16 as amended either by the January 13, 2004 Amendment or the attached Amendment fully comply with 35 U.S.C. §112 and do particularly point out and distinctly claim the subject matter which Appellant regards as the invention**

The Office Action of February 10, 2004 on page 2 asserts that claims 1, 3-11, 16-18, and 21-22 are indefinite under 35 U.S.C. §112 since they fail to particularly point out and distinctively claim the subject matter which Appellant regards as the invention. More specifically, the Office Action of February 10, 2004 on page 2 asserts that it is unclear from the

language of claims 1 and 16 how the drag lever extends *toward* the rod mount since the drag lever is pivotally fitted to the reel body and can rotate to extend in multiple different directions.

Appellant respectfully disagrees with this assertion. More specifically, Appellant believes that the language of claims 1 and 16 as amended by the January 13, 2004 Amendment is definite and distinctly claims the subject matter of the present invention. Claims 1 and 16 recite that the drag lever is *pivotable* as opposed to *rotatable* relative to the reel body. In other words, the direction in which the drag lever extends can change only within an angular range in which the drag lever extends upward toward the rod mount, i.e. toward the side of the reel unit on which the rod mount is attached. This aspect of the present invention is clearly illustrated in Figure 1 as originally filed, which shows that the drag lever 5 can pivot only within the unnumbered groove (*see* Appendix C, which is an annotated Figure 1), such that the drag lever 5 always extends upward toward the rod mount 20 regardless of where the drag lever 5 is positioned within its pivotable axial range.

Appellant also believes that this rejection is now moot in view of the Amendment to claims 1 and 16, which is filed herewith to narrow the issue for appeal. Claims 1 and 16 as amended in the attached Amendment require that the drag lever extend toward *the side of the reel body on which the rod mount is mounted*. Thus, Appellant believes that claims 1 and 16 as amended by the attached Amendment even more clearly claim the subject matter of the present invention.

In view of the above comments, Appellant believes that claims 1 and 16 as amended either by the January 13, 2004 Amendment or the attached Amendment comply with 35 U.S.C. §112 and do particularly point out and distinctly claim the subject matter which applicant regards as the invention.

B. The specification as amended either by the January 13, 2004 Amendment or the attached Amendment provides proper antecedent basis for the direction in which the drag lever extends set forth in claims 1 and 16 under 37 C.F.R. 1.75(d)(1).

The Office Action of the February 10, 2004 asserts that the specification fails to provide proper antecedent basis for the claimed subject matter. Specifically, the Office Action asserts that it is unclear how the drag lever extends toward the rod mount since the drag lever is pivotably fitted to the reel body and can rotate to extend in a multiple of different directions.

In response, Appellant believes that the specification as amended by the January 13, 2004 Amendment and Figure 1 adequately provide antecedent basis for the claimed subject matter. As discussed in the section A of this Brief, Figure 1 as originally filed and the paragraph beginning on page 6, line 24 of the specification as amended by the January 13, 2004 Amendment illustrate and describe the drag lever 5 that extends upward toward the rod mount 20, i.e., toward the side of the reel unit 2 on which the rod mount 20 is mounted. Thus, Appellant believes that the specification as amended by the January 13, 2004 Amendment adequately provides antecedent basis for the claimed subject matter.

Appellant also believes that this objection to the specification is now moot in view of the Amendment to specification, which is filed herewith to narrow the issue for appeal. Specifically, the specification was amended in the attached Amendment so as to include a description that the drag lever extends toward *the side of the reel body on which the rod mount is mounted*. This aspect of the present invention is illustrated in Figure 1 as filed. Therefore, no new matter has been added by this amendment to the specification. Thus, Appellant believes that the specification as filed by the attached Amendment even more clearly provides antecedent basis for the claimed invention.

In view of the above comments, Appellant believes that the specification as amended either by the January 13, 2004 Amendment or the attached Amendment provides proper

antecedent basis under 37 C.F.R. 1.75(d)(1) for the direction in which the drag lever extends as set forth in claims 1 and 16.

C. The Collins patent, the Veroli patent, the Noda patent, the Furubayashi patent, and the Yeh patent in any combination do not render obvious claims 1 and 16 under 35 U.S.C. §103.

The Office Action of February 10, 2004 asserts that the Collins patent, the Noda patent, and the Furubayashi patent together suggest the structure of claims 1 and 16. The Office Action of February 10, 2004 also asserts that the Veroli patent, the Noda patent, and the Furubayashi patent together suggest the structure of claims 1 and 16. Appellant disagrees with this assertion because, as explained below, none of these patents disclose or suggest a harness connector that is provided on a side of the reel body on which the rod mount is provided, whether taken singularly or in combination. Thus, any hypothetical reel that would be reasonably suggested by these patents could not possess this claimed feature of the present invention.

C-1. The Collins patent, the Veroli patent, and the Noda patent in any combination do not disclose or suggest providing the harness connector on the side of the reel body on which the rod mount is provided.

The Office Action of February 10, 2004 on pages 3-4 asserts that it would have been obvious to modify the dual bearing reel of the Collins patent to include a harness connector on the top side of the reel body based on the Noda patent, because the Collins patent shows a deep sea fishing reel that is adapted for use with a harness, and the Noda patent discloses a

fishing reel that has harness connectors (engaging members) 40, 41 attached to the top of the reel body 1. Furthermore, the Office Action of February 10, 2004 on page 7 asserts that the Veroli patent and the Noda patent together suggest the harness connector provided on a side of the reel body on which the rod mount is provided because the Veroli patent shows a dual-bearing reel having a rod mount, and the Noda patent discloses a fishing reel that has harness connectors (engaging members) 40, 41 attached to the top of the reel body 1.

However, Appellant respectfully disagrees with the assertions of the Office Action, since Appellant believes that none of the Collins patent, the Veroli patent, and the Noda patent disclose an idea of the harness connector that is provided on a side of the reel body on which the rod mount is provided. Detailed discussion of each of these patents follows.

Collins Patent

Regarding the Collins patent, the February 10, 2004 Office Action acknowledges that the Collins patent does not show a harness connector that is provided on a side of the reel body on which the rod mount is mounted, stating on page 3 that:

Collins fails to show a harness connector including first and second harness clips that removably and reattachably engage a harness where the harness connector is provided on a side of the reel body on which the rod mount is mounted, but discloses that the reel can be used *[sic]* for deep sea fishing and can be adapted for use with a harness, as explained in column 1, lines 10-21.

However, Appellant believes that the Collins patent shows a harness connector that is provided on a side of the reel body *opposite* from the side on which the rod mount is provided. More specifically, Appellant believes that projections at the bottom of the reel 25 shown in Figures 6 and 7 are the harness connectors for the reel of the Collins patent. Clearly, these projections are provided on a side opposite from the side where the rod mount is provided.

Thus, regardless of whether or not the Collins discloses any harness connector, Appellant believes that the Collins patent does not disclose or suggest a harness connector

that is provided *on the side of the reel body on which the rod mount is provided*, as required by claims 1 and 16.

Veroli Patent

Regarding the Veroli patent, the February 10, 2004 Office Action acknowledges that the Veroli patent does not show a harness connector that is provided on a side of the reel body on which the rod mount is mounted, stating on page 6 that:

Veroli fails to show a harness connector including first and second harness clips that removably and reattachably engage a harness where the harness connector is provided on a side of the reel body on which the rod mount is mounted.

However, Appellant believes that the Veroli patent shows a harness connector that is provided on a side of the reel body *opposite* from the side on which the rod mount is provided. More specifically, Appellant believes that the projection at the bottom of the reel shown in Figure 6 is the harness connector. Clearly, this projection is provided on a side opposite from the side on which the rod mount is provided.

Thus, regardless of whether or not the Veroli discloses any harness connector, Appellant believes that the Veroli patent does not disclose or suggest a harness connector that is provided on the side of the reel body on which the rod mount is provided, as required by claims 1 and 16.

Noda Patent

Regarding the Noda patent, the harness connector of the Noda patent is also provided on the side of the reel body opposite from the side on which the rod mount is provided. More specifically, the Noda patent in Figures 1-2 shows a rod mount 20 and harness connectors 40, 41. Clearly, the harness connectors 40, 41 are provided on a side of the reel body opposite from the side where the rod mount is provided.

Thus, the Appellant believes that none of the Collins patent, the Veroli patent, and the Noda patent disclose a harness connector provided on a side of the reel body on which the

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rod mount is provided. Thus, any hypothetical reel conceived by combining any of these prior arts could not have the harness connector of claims 1 and 16 of the present invention. Therefore, Appellant believes that the Collins patent, the Veroli patent, and the Noda patent, whether taken singularly or in any combination, do not disclose or suggest the harness connector provided on the side of the reel body on which the rod mount is provided.

C-2. The Furubayashi patent and the Yeh patent do not disclose or suggest providing the harness connector on a side of the reel body on which the rod mount is provided.

Appellant further believes that the Furubayashi patent and the Yeh patent cannot cure the deficiency of the Collins patent, the Veroli patent, and the Noda patent.

Furubayashi Patent

Regarding the Furubayashi patent, it has been cited in the Office Action to show a star drag. See pages 4 and 7 of the February 10, 2004 Office Action. Clearly, the Furubayashi patent does not show or suggest a harness connector. Thus, the Furubayashi patent cannot cure the deficiency of the Collins patent, the Veroli patent, and the Noda patent.

Yeh Patent

Regarding the Yeh patent, it has been cited in the Office Action to show a leg portion joining the mounting pod, the leg portion including a pair of pillar shaped members that extend vertically from the reel body. See pages 5-6 and 9 of the February 10, 2004 Office Action. As clearly seen in Figures 3-4 of the Yeh patent, the reel of the Yeh patent is small enough to be held by a single hand. Thus, the reel of the Yeh patent does not have a harness connector. Thus, the Yeh patent cannot cure the deficiency of the Collins patent, the Veroli patent, the Noda patent, and the Furubayashi patent.

In view of the above comments, Appellant believes that the Collins patent, the Veroli patent, the Noda patent, the Furubayashi patent, and the Yeh patent do not anticipate or render obvious the arrangement of claims 1 and 16 under 35 U.S.C. §103 in any combination asserted in the February 10, 2004 Office Action. Also, since dependent claims 3-11, 17-18, and 21-22 are narrower than claims 1 and 16, they are not anticipated or rendered obvious by any combination of the prior arts of record under 35 U.S.C. §103.

D. Appellant believes that claims 6 and 17 are separately patentable.

Appellant believes that claims 6 and 17 are separately patentable because they further require that the rod mount be attachable to an upper side of the reel body such that the reel is disposed *below* the fishing rod when the reel is coupled to the fishing rod. Appellant believes that none of the prior arts of record disclose or suggest this aspect of the present invention, whether taken singularly or in any combination asserted by the February 10, 2004 Office Action.

Specifically, the Office Action asserts that the reels shown in the Collins patent and the Veroli patent are attached to the fishing rod from below. *See* pages 3 and 6 of the February 10, 2004 Office Action. Appellant respectfully disagrees with these assertions.

D-1. The reel of the Collins patent is designed to be attached to the fishing rod from above.

Appellant believes that the reel of the Collins patent is designed to be attached *from above*, not from below as alleged by the Office Action. Although the Collins patent shows the reel in the drawings as if it was attached to the fishing rod from

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below, these drawings show the reel and the fishing rod upside down so that the reel seat can be displayed better. To Appellant's knowledge, trolling-type reels that have a drag lever are always designed to be attached to the fishing rod *from above*, not below. See declaration of Mr. Noboru Sakaguchi (Exhibit A submitted on January 13, 2004). A copy of the Exhibit A is attached hereto as Appendix D for the Board's convenience.

Furthermore, the description of the Collins patent suggests that the reel seat of the Collins patent is designed to be attached to the fishing rod from above. For instance, in column 4, lines 42-46, the Collins patent clearly states that the braces 35 are "a typical and conventional structure normally associated with certain heavy duty fishing reels such as the Penn International and Senator big game reel." As clearly shown in the 1985 and 2003 catalogs of Penn Reels (respectively Exhibits B and C submitted on January 13, 2004), all International and Senator reels are attached to the fishing rod *from above*. A copy of the Exhibits B and C is attached hereto as Appendices E and F for the Board's convenience.

Appellant specifically disagrees with assertion of the Office Action regarding the braces 35. In Response to the Amendment on page 9 of the February 10, 2004 Office Action, the Office Action asserts that, although the Collins patent that the braces 35 are typical and conventional structure associated with Penn International and Senator, it does not mean that the reel of the Collins patent is operated in the same manner. However, Appellant believes that this statement in the Collins patent supports Appellant's position that the reel of the Collins patent is designed to be attached to the fishing rod from above. Since the braces 35 are a typical and conventional structure that is associated with as Penn International and Senator, it is most natural to construe that the braces 35 are attached to the fishing rod in a manner consistent with the manner in which the braces of the Penn International and Senator are attached to the

fishing rod. As seen in the Exhibits B and C, Penn International and Senator are clearly attached to the fishing rod from above.

Thus, Appellant believes that the reel of the Collins patent is designed to be attached to the fishing rod *from above*, not from *below* as required by claims 6 and 17 of the present application.

D-2. The reel of the Veroli patent is designed to be attached to the fishing rod from above.

Similarly regarding the Veroli patent, Appellant believes that the reel of the Veroli patent is designed to be mounted to the fishing rod *from above*. In Figure 2 of the Veroli patent, indicators for the drag are marked upside down. This strongly suggests that the reel is designed to be mounted to the fishing rod from above.

Appellant specifically disagrees with the argument in Response to Amendment of the February 10, 2004 Office Action regarding the orientation of the indicators.

Specifically, Appellant believes that the Office Action's assertion on page 10 that:

When one is fishing while holding the fishing rod and having the reel mounted below, the only way to possibly read the indicators on the side of the reel is to have them as they are shown in Figure 2 [of the Veroli patent]. This is so when the fisherman looks down, they *[sic]* will be looking at the indicators from their point-of-view.

is inaccurate. The Office Action seems to presume that by having drag indicators upside down, the fisherman can read them while holding the fishing rod by merely looking down. However, the fisherman *cannot* read the indicators by merely looking down. In fact, it will be extremely difficult to read the indicators if the reel of the Veroli patent is mounted to the fishing rod from below.

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More specifically, if the reel of the Veroli patent is attached to the fishing rod from ***below*** as alleged by the Office Action, it will be extremely difficult for the fisherman to read the indicators while holding the fishing rod because members such as the handle 53 and the drag lever 55 obstruct the view as the fisherman attempts to read the indicators. See Figures 1 and 2 of the Veroli patent. As seen in the perspective view of the reel in Figure 1 of the Veroli patent, the view of the drag indicators is already partially obstructed by the drag lever 55. If the fisherman tries to read the indicators that are upside down while holding the fishing rod with the reel being attached to the fishing rod from below, the only way fisherman can read the indicators is by twisting and bending his/her body so that his/her head is upside down. This is a most unnatural way of reading the indicators.

On the other hand, if the reel of the Veroli patent is construed to be attached to the fishing rod ***from above***, the fisherman can easily read the indicators by merely tilting the reel about the axis of the fishing rod. Since the indicators are marked on an upper portion (the left-bottom portion as viewed in Figure 2) of the reel body side surface, only a small amount of tilting is required to allow the fisherman to read the indicators.

In other words, if a reel is designed to be attached to the fishing reel from ***below***, the only way to provide a drag with the reel is to construct the drag and mark the drag indicators such that the drag lever extends upward toward the fishing rod and the drag indicators are oriented right side up, in other words as shown in Figures 1-3 of the present application.

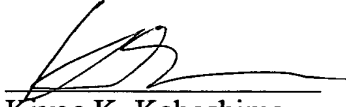
Thus, Appellant believes that the reel of the Veroli patent is designed to be attached to the fishing rod ***from above***, not from ***below*** as required by claims 6 and 17 of the present application.

In view of the above comment, the Appellant believes that claims 6 and 17 are patentable independently of claims 1 and 16, and not anticipated or rendered obvious by any of the prior art of record.

9. Conclusion

In view of the above analysis of claims 1, 3-11, 16-18, 21, and 22, Appellant believes that the claims 1, 3-11, 16-18, 21, and 22 particularly point out and distinctly claim subject matter which Appellant regards as the invention. Appellant also believes that the specification provides proper and antecedent basis for the claimed subject matter. Also, claims 1, 3-11, 16-18, 21, and 22 are not rendered obvious by U.S. Patent No. 4,688,346 to Collins, U.S. Patent No. 5,150,854 to Noda, U.S. Patent No. 5,615,842 to Furubayashi, U.S. Patent No. 3,166,269 to Veroli, and U.S. Patent No. 5,865,388 to Yeh. Thus, Appellant respectfully requests that claims 1, 3-11, 16-18, 21, and 22 be allowed. If there are any questions regarding this Brief, please feel free to contact the undersigned.

Respectfully submitted,


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Dated: June 4, 2004

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APPENDIX A

COPY OF CLAIMS ON APPEAL

(BEFORE ENTRY OF THE AFTER FINAL AMENDMENT)

1. A dual-bearing reel onto which a harness for tying to an angler is attachable, said dual-bearing reel comprising:
 - a reel body;
 - a rod mount for being coupled to a fishing rod, said rod mount being attached to said reel body;
 - a harness connector that removably and reattachably engages the harness, said harness connector being provided on a side of said reel body on which said rod mount is mounted;
 - a drag lever pivotally fitted to said reel body for adjusting a drag force of said spool, said drag lever extending toward said rod mount;
 - a spool rotatively carried in said reel body; and
 - a handle that cranks said spool.
2. (Canceled).
3. The dual-bearing reel set forth in claim 1, wherein said harness clips are installed on said reel body with a coupling member.
4. The dual-bearing reel set forth in claim 1, wherein said rod mount is removably and reattachably coupled to said reel body.
5. The dual-bearing reel set forth in claim 1, wherein

said rod mount has a mounting pod for being coupled to the fishing rod.

6. The dual-bearing reel set forth in claim 1, wherein
said rod mount is attachable to an upper side of said reel body, such that said
reel is disposed below the fishing rod when said reel is coupled to the fishing rod.

7. The dual-bearing reel set forth in claim 5, wherein
said mounting pod is a plate-shaped component whose surface is curved into a
concavity such that said surface fits the fishing rod.

8. The dual-bearing reel set forth in claim 1, wherein
said reel body has first and second side plates and top and bottom connectors
connecting said two side plates, said first and second side plates being disposed at a
spacing in a direction of a rotational axis of said spool, and
said rod mount is removably and reattachably coupled to said top connector.

9. The dual-bearing reel set forth in claim 5, wherein
said rod mount further includes a leg portion joining said mounting pod and
said reel body.

10. The dual-bearing reel set forth in claim 9, wherein
said mounting pod is formed unitarily with said leg portion.

11. The dual-bearing reel set forth in claim 9, wherein

said leg portion includes a pair of pillar shaped members that extend vertically from said reel body.

12-13. (Allowed).

14-15. (Canceled).

16. A dual-bearing reel onto which a harness for tying to an angler is attachable, said dual-bearing reel comprising:

a reel body;

rod mounting means attached to said reel body for coupling to a fishing rod;

harness connecting means including first and second harness clips for removably and reattachably engaging the harness, said harness connecting means being provided on a side of said reel body on which said rod mounting means is coupled;

drag lever means pivotally fitted to said reel body for adjusting a drag force of said spool, said drag lever extending toward said rod mounting means;

a spool rotatively carried in said reel body; and

a handle that cranks said spool.

17. The dual-bearing reel set forth in claim 16, wherein said rod mounting means is adapted to be coupled to the fishing rod from below such that said reel is disposed below the fishing rod.

18. The dual-bearing reel set forth in claim 16, wherein

said reel body has rod mount coupling means for coupling said rod mounting means to said reel body removably and reattachably.

19-20. (Canceled).

21. The dual-bearing reel set forth in claim 1, wherein
said harness connector has first and second harness clips that removably and reattachably engage the harness,
said first and second harness clips are coupled to said reel body, said first and second harness clips have first and second inner surfaces, respectively, and a first transverse width that extends between said first and second inner surfaces;
said rod mount has a second maximum transverse width that is measured substantially perpendicular to a longitudinal axis of said rod mount; and
said reel body has a one-piece reel frame and separate first and second side covers coupled to said one-piece reel frame, said first and second side covers have third and fourth inner surfaces and a third transverse width that extends between said third and fourth inner surfaces, said first transverse width is greater than said second maximum transverse width and less than said third transverse width.

22. The dual-bearing reel set forth in claim 16, wherein
said harness connector has first and second harness clips that removably and reattachably engage the harness,
said first and second harness clips are coupled to said reel body, said first and second harness clips have first and second inner surfaces, respectively, and a first transverse width that extends between said first and second inner surfaces;

said rod mounting means has a second maximum transverse width that is measured substantially perpendicular to a longitudinal axis of said rod mounting means; and

said reel body has a one-piece reel frame and separate first and second side covers coupled to said one-piece reel frame, said first and second side covers have third and fourth inner surfaces and a third transverse width that extends between said third and fourth inner surfaces, said first transverse width is greater than said second maximum transverse width and less than said third transverse width.

:

:

APPENDIX B

COPY OF CLAIMS ON APPEAL

(AFTER ENTRY OF THE AFTER FINAL AMENDMENT)

1. A dual-bearing reel onto which a harness for tying to an angler is attachable, said dual-bearing reel comprising:
 - a reel body;
 - a rod mount for being coupled to a fishing rod, said rod mount being attached to said reel body;
 - a harness connector that removably and reattachably engages the harness, said harness connector being provided on a side of said reel body on which said rod mount is mounted;
 - a drag lever pivotally fitted to said reel body for adjusting a drag force of said spool, said drag lever extending toward the side of said reel body on which said rod mount is mounted;
 - a spool rotatively carried in said reel body; and
 - a handle that cranks said spool.
2. (Canceled).
3. The dual-bearing reel set forth in claim 1, wherein said harness clips are installed on said reel body with a coupling member.
4. The dual-bearing reel set forth in claim 1, wherein said rod mount is removably and reattachably coupled to said reel body.

5. The dual-bearing reel set forth in claim 1, wherein
said rod mount has a mounting pod for being coupled to the fishing rod.
6. The dual-bearing reel set forth in claim 1, wherein
said rod mount is attachable to an upper side of said reel body, such that said
reel is disposed below the fishing rod when said reel is coupled to the fishing rod.
7. The dual-bearing reel set forth in claim 5, wherein
said mounting pod is a plate-shaped component whose surface is curved into a
concavity such that said surface fits the fishing rod.
8. The dual-bearing reel set forth in claim 1, wherein
said reel body has first and second side plates and top and bottom connectors
connecting said two side plates, said first and second side plates being disposed at a
spacing in a direction of a rotational axis of said spool, and
said rod mount is removably and reattachably coupled to said top connector.
9. The dual-bearing reel set forth in claim 5, wherein
said rod mount further includes a leg portion joining said mounting pod and
said reel body.
10. The dual-bearing reel set forth in claim 9, wherein
said mounting pod is formed unitarily with said leg portion.
11. The dual-bearing reel set forth in claim 9, wherein

said leg portion includes a pair of pillar shaped members that extend vertically from said reel body.

12-13. (Allowed).

14-15. (Canceled).

16. A dual-bearing reel onto which a harness for tying to an angler is attachable, said dual-bearing reel comprising:

a reel body;

rod mounting means attached to said reel body for coupling to a fishing rod;

harness connecting means including first and second harness clips for removably and reattachably engaging the harness, said harness connecting means being provided on a side of said reel body on which said rod mounting means is coupled;

drag lever means pivotally fitted to said reel body for adjusting a drag force of said spool, said drag lever extending toward the side of said reel body on which said rod mounting means is provided;

a spool rotatively carried in said reel body; and

a handle that cranks said spool.

17. The dual-bearing reel set forth in claim 16, wherein said rod mounting means is adapted to be coupled to the fishing rod from below such that said reel is disposed below the fishing rod.

18. The dual-bearing reel set forth in claim 16, wherein
said reel body has rod mount coupling means for coupling said rod mounting
means to said reel body removably and reattachably.

19-20. (Canceled).

21. The dual-bearing reel set forth in claim 1, wherein
said harness connector has first and second harness clips that removably and
reattachably engage the harness,
said first and second harness clips are coupled to said reel body, said first and
second harness clips have first and second inner surfaces, respectively, and a first
transverse width that extends between said first and second inner surfaces;
said rod mount has a second maximum transverse width that is measured
substantially perpendicular to a longitudinal axis of said rod mount; and
said reel body has a one-piece reel frame and separate first and second side
covers coupled to said one-piece reel frame, said first and second side covers have
third and fourth inner surfaces and a third transverse width that extends between said
third and fourth inner surfaces, said first transverse width is greater than said second
maximum transverse width and less than said third transverse width.

22. The dual-bearing reel set forth in claim 16, wherein
said harness connector has first and second harness clips that removably and
reattachably engage the harness,

said first and second harness clips are coupled to said reel body, said first and second harness clips have first and second inner surfaces, respectively, and a first transverse width that extends between said first and second inner surfaces;

said rod mounting means has a second maximum transverse width that is measured substantially perpendicular to a longitudinal axis of said rod mounting means; and

said reel body has a one-piece reel frame and separate first and second side covers coupled to said one-piece reel frame, said first and second side covers have third and fourth inner surfaces and a third transverse width that extends between said third and fourth inner surfaces, said first transverse width is greater than said second maximum transverse width and less than said third transverse width.

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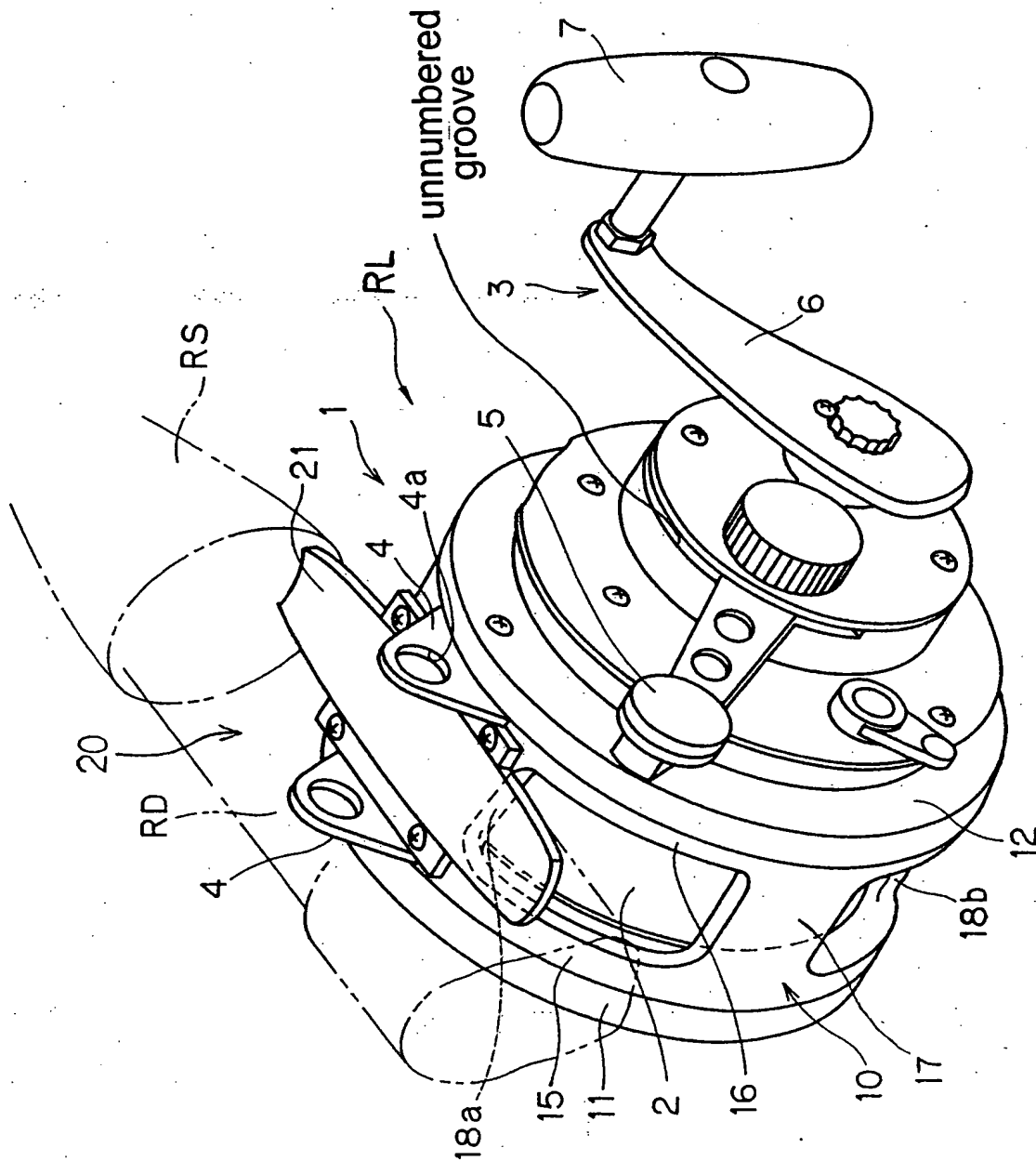


Fig. 1 Appendix C

SN-US000588

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Takeshi IKUTA

Serial No.: 09/986,689

Filed: November 9, 2001

For: DUAL-BEARING REEL

Patent Art Unit: 3654

Examiner: Evan H. Langdon

DECLARATION OF NOBORU SAKAGUCHI UNDER 37 C.F.R. §1.132

Assistant Commissioner of Patents
Washington, DC 20231

Sir:

I, Noboru Sakaguchi, hereby unequivocally stipulate and declare that the following statement of facts is true and correct.

(Translation in Japanese)¹

私、阪口昇は、下記に記載される全ての事柄が正確な事実であることを宣誓致します。

STATEMENT OF FACTS

1. I have been an employee of Shimano, Inc. for more than ten years. My duties at Shimano include development of fishing reel and administration of patent applications relating to fishing reels.

(Translation in Japanese)

私は、株式会社シマノに10年以上勤めており、釣用リール関連の特許出願の管理および釣用リールの開発を担当しています。

¹ Each English paragraph of this Declaration is followed by a Japanese translation of the preceding English paragraph. Also, attached is a Declaration of Maiko Tomioka, which attests to the truthfulness and the completeness of the Japanese translations of the English paragraphs.

EXHIBIT A Appendix D

2. Based on my knowledge and experience as one engaged in manufacturing of fishing reels, I believe that Penn Reel's International and Senator reels are designed to be mounted to a fishing rod from above the fishing rod.

(Translation in Japanese)

釣用リールの製造に携わる者としての知識と経験に基づき、私は、ペン・リール社のインターナショナルおよびセネター・モデルのリールは釣竿の上側から釣竿に取り付けられるよう設計されていると考えます。

3. Based on my knowledge and experience as one engaged in manufacturing of fishing reels, I believe that the reels shown in U.S. Patent Nos. 3,166,269 and 4,688,346 are designed to be mounted to a fishing rod from above the fishing rod.

(Translation in Japanese)

釣用リールの製造に携わる者としての知識と経験に基づき、私は、米国特許 3,166,269 及び 4,688,346 のリールは釣竿の上側から釣竿に取り付けられるよう設計されていると考えます。

4. Based on my knowledge and experience as one engaged in manufacturing of fishing reels, I have never seen a reel having a drag lever, such as a trolling reel, that is designed to be mounted to a fishing rod from below the fishing rod, except for those disclosed in the present patent application.

(Translation in Japanese)

釣用リールの製造に携わる者としての知識と経験に基づき、私は、トロリング・リールのようなドラグレバーを有するリールで、釣竿の下側から釣竿に取り付けられるようになっているリールを、本願のリール以外に見たことがありません。

4. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

(Translation in Japanese)

私は、私自身の知識に基づいて本宣誓書中で私が行う表明が真実であり、かつ私の入手した情報と私の信じるところに基づく表明が全て真実であると信じていること、さらに故意になされた虚偽の表明及びそれと同等の行為は、米国法典第18編第1001条に基づき、罰金または拘禁、もしくはその両方により処罰されること、そしてそのような故意による虚偽の声明を行えば、出願したまたは既に発行された特許の有効性が失われることを認識し、よってここに上記のごとく宣誓を致します。

Respectfully submitted,

By: Noboru Sakaguchi
Name: Noboru Sakaguchi

Dated: Jan. 13, 2004

G:\01-JAN04-MTSN-US000588 Doc of Mr Sakaguchi.doc

Penn



**THE
PROFESSIONAL'S
CHOICE**

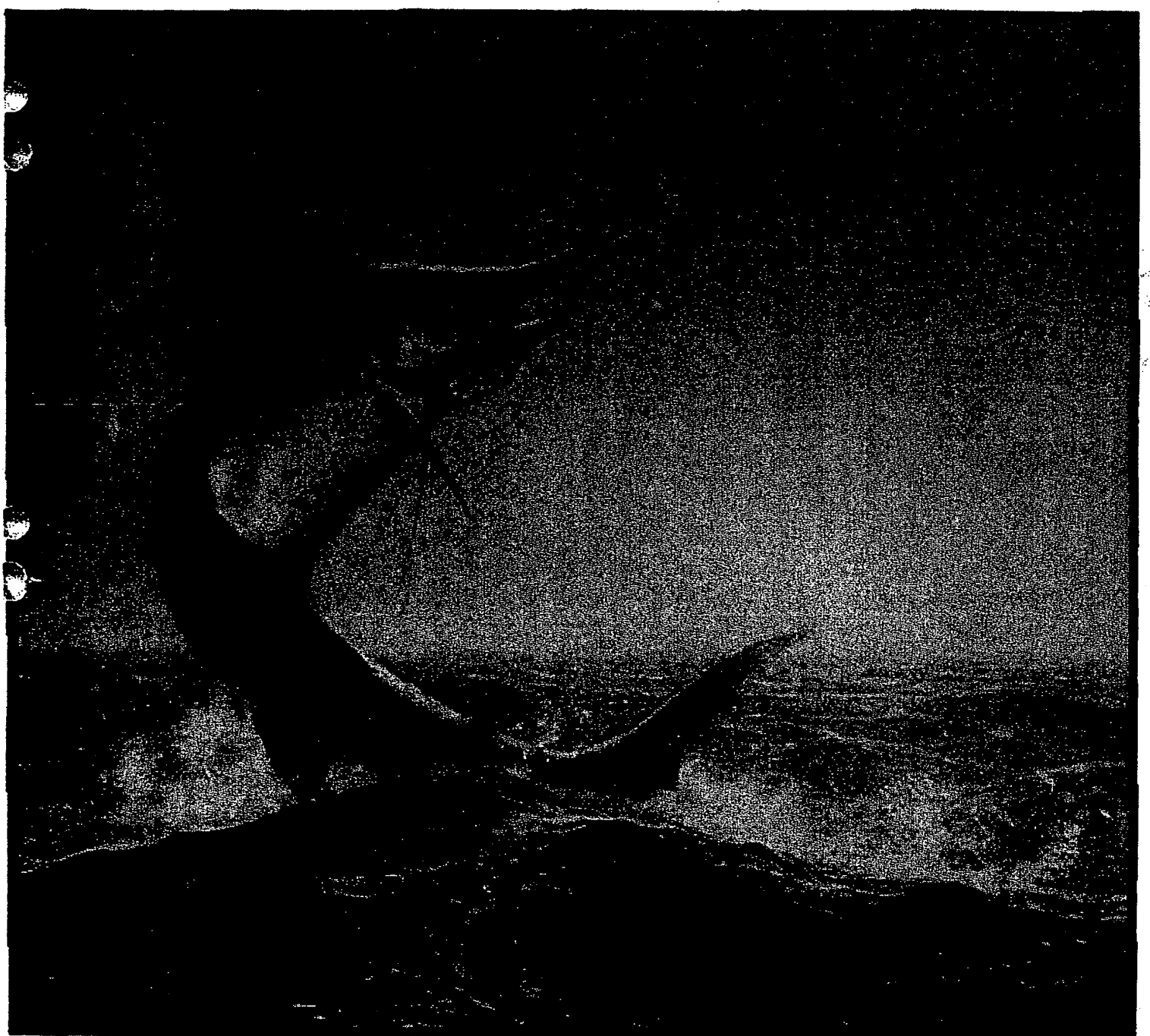


EXHIBIT B Appendix E

PENN

PENN DELIVERS! BETTER THAN EVER BEFORE!

In more ways than one! In quality. In performance. In selection. And with innovation that sets the standard for today's demanding fishermen!

World's Most Rugged Graphite Spinning Reel!

For example, this year Penn introduces the 250GR graphite spinning reel, featuring a revolutionary new drag system. Based on the same design as the automobile disc brake, this drag (patent pending) offers unbelievable stopping power. The 250GR is the only graphite spinning reel engineered especially for saltwater...plus, it's great for heavy freshwater chores too!

New Electric Fathom-Master™

After years of exhaustive research, Penn introduces its remarkable Electric

Fathom-Master™ downrigger system...two new units that combine the rugged reliability of the famous Fathom-Masters™ with the convenience and speed of motorized power. These are the fastest, most powerful and durable units on the market today!

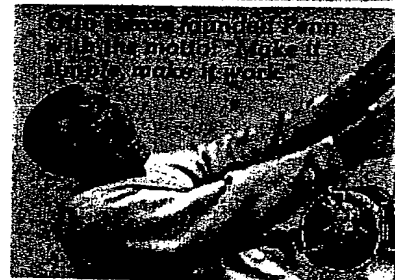
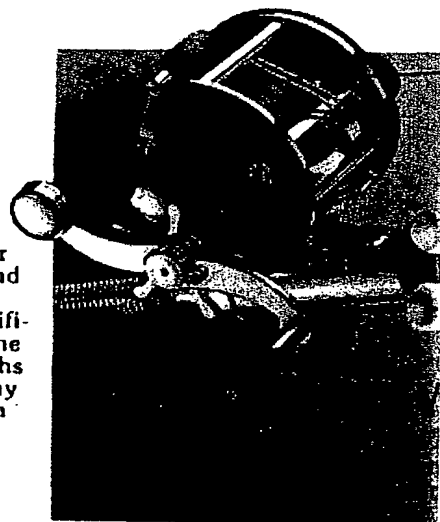
HT 100™...At Last, The Perfect Drag Material!

With over two decades of extensive research and testing of drag materials, Penn this year is proud to offer the smoothest, most long wearing drag material known to man. We call it "HT 100."™ Drag washers

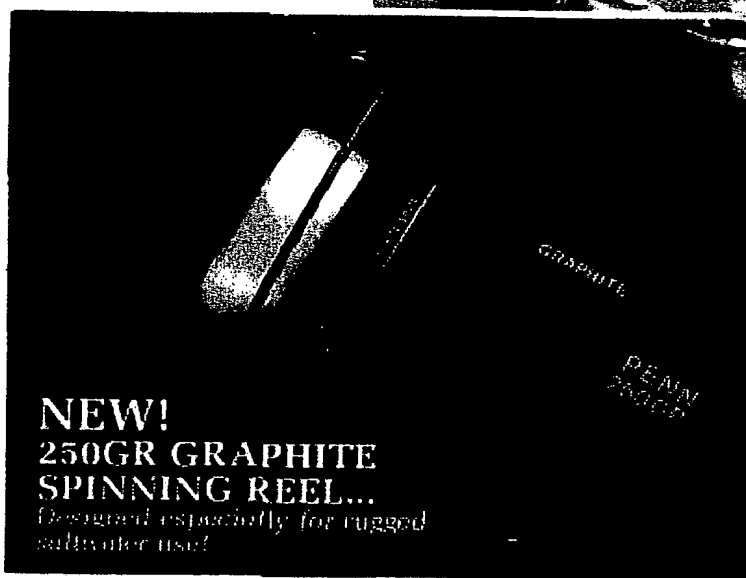
made from HT 100™ offer incredible smoothness and a wide range of settings. We've yet to see any significant wear or damage to the washers, even after months of hard fishing. That's why we're putting HT 100™ in nearly every Penn reel for '86.

50TW...The Newest International!™

This year Penn introduces the 50TW. With an extruded aluminum one-piece frame and a newly designed rod clamp, the 50TW cannot possibly torque or twist. And the wide, high capacity spool allows anglers the option of using 80-lb. line on a lower-profile reel.



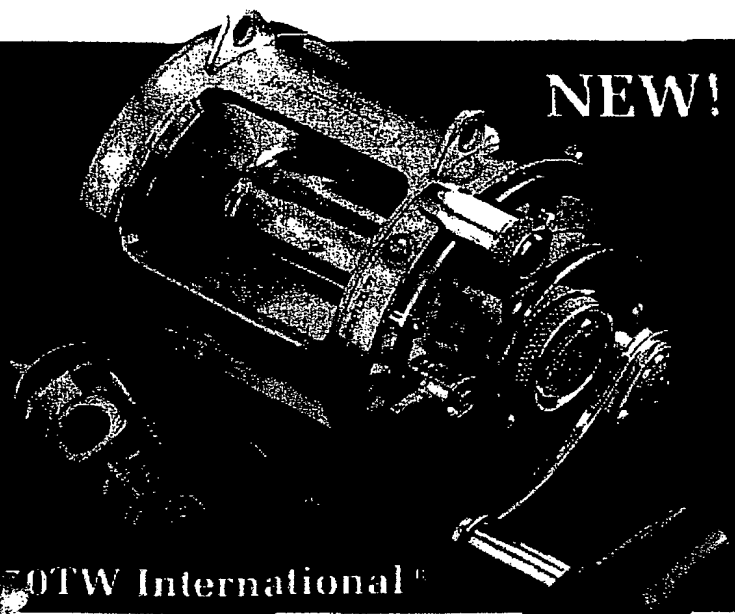
New
"See-Thru"
packaging
lets Penn quality show.
Reach for the Penn package!



NEW! 250GR GRAPHITE SPINNING REEL...

Designed especially for rugged saltwater use!

NEW!



70TW International

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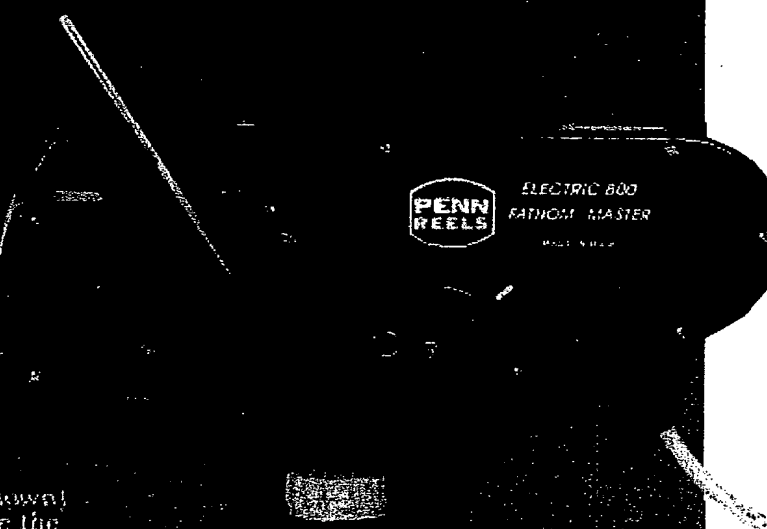
NEW! ELECTRIC FATHOM-MASTER[®]



The 250GR features a revolutionary new drag design.

Working much like the automotive disc brake, this system affords incredibly smooth and consistent stopping power!

Models 800 (shown) and 820 feature the fastest, most-powerful electric motors on the market today!



PENN REELS

THE GREAT AMERICAN REEL COMPANY

Penn

NEW INTERNATIONAL® II TWO-SPEED SERIES

Penn's brilliantly conceived International® IIs mark the most significant milestone in big game angling history since the development of the preset lever drag.

The 80SW and 80S International® IIs give you the ability to change speeds instantly—even while fighting fish. A Penn exclusive!

These are the finest reels ever to bear the Penn name... designed and built for the big game tournament angler who demands the very best.

Two Speeds in One Reel with Instant Shifting!

Both the 80SW and 80S International® IIs offer you the remarkable ability to shift gears instantly...

...with two speeds to meet a variety of angling situations. A push of the shift button gives you a fast 3-1 gear ratio for working lines quickly. Shift down for a super powerful 1.4-1 ratio—ideal for pumping big tuna, billfish or shark.

This patented feature allows the angler to shift gears even while in the heat of battle! Only Penn brings you this advantage.

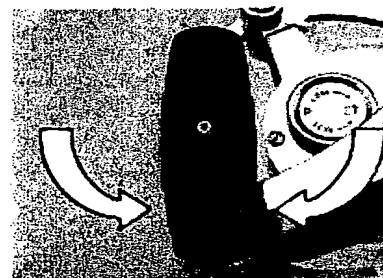
One-Piece Frames

Both the 80SW and 80S feature machined one-piece gold anodized aluminum frames for unparalleled strength and rigidity. Forged stainless steel reel stands too!

The 80SW has a wide frame for greater line capacity.

Fighting Handle

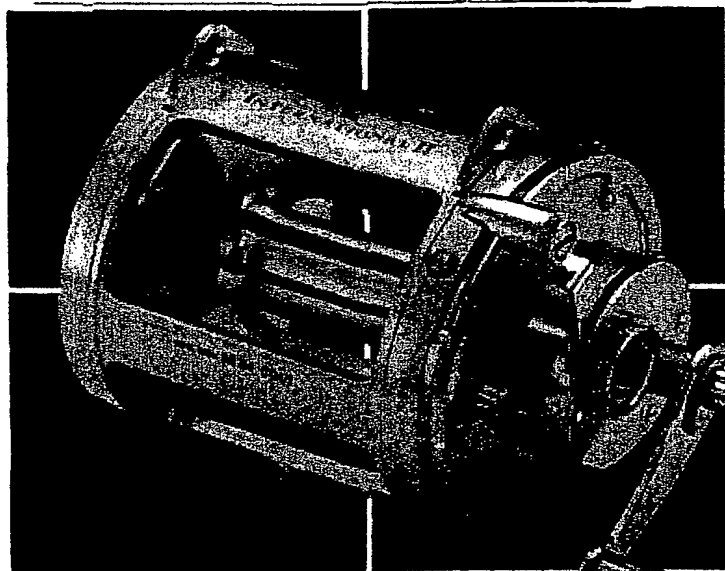
Both International® IIs feature Penn's fighting handle which automatically returns to optimal fishing position for easy gripping fast action. Another Penn exclusive!



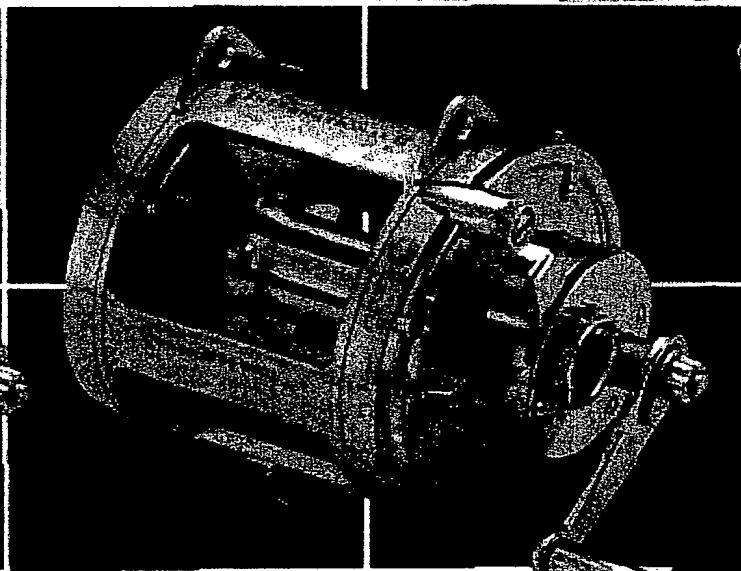
II

INTERNATIONAL® II TWO-SPEED SERIES SPECIFICATIONS

MODEL	LINE CAPACITY (YDS-MONO or DACRON)	GEAR RATIO		WEIGHT (OZ)
		HIGH	LOW	
80SW	1150/80	3-1	1.4-1	110
		3-1	1.4-1	
80S	750/80	3-1	1.4-1	112
		3-1	1.4-1	



80SW



80S

Forged Aluminum Spools

There's no compromising of quality here. Spools are forged from solid aluminum, then polished and gold anodized... for years of flawless, corrosion-free performance.

Precision Drag Design

The International's incorporate Penn's powerful bonded double-disc drag system... the smoothest, most durable fish-stopping system of its kind. Now featuring the IFT100™ drag washers.

Calibrated Preset Drag Control

Adjust the calibrated preset drag control according to line test, type of fish or action you

expect. It then keeps drag tension with safe limits.

120° Arc Level Drag

With this Penn feature, you can increase pressure by adjusting the lever forward... or reduce drag by bringing the lever backward, with set stops for "free," "strike" and "full" drag pressure settings.



Stainless Steel Gears

The 80SW and 80S both feature the strength and corrosion resistance of stainless steel for the pinion and main gears, spool shaft and drag cam.

Four Shielded Stainless Steel Ball Bearings

For silky smooth winding, free spooling and drag performance, the 80SW and 80S are equipped with four stainless steel ball bearings.

Improved Clicker System

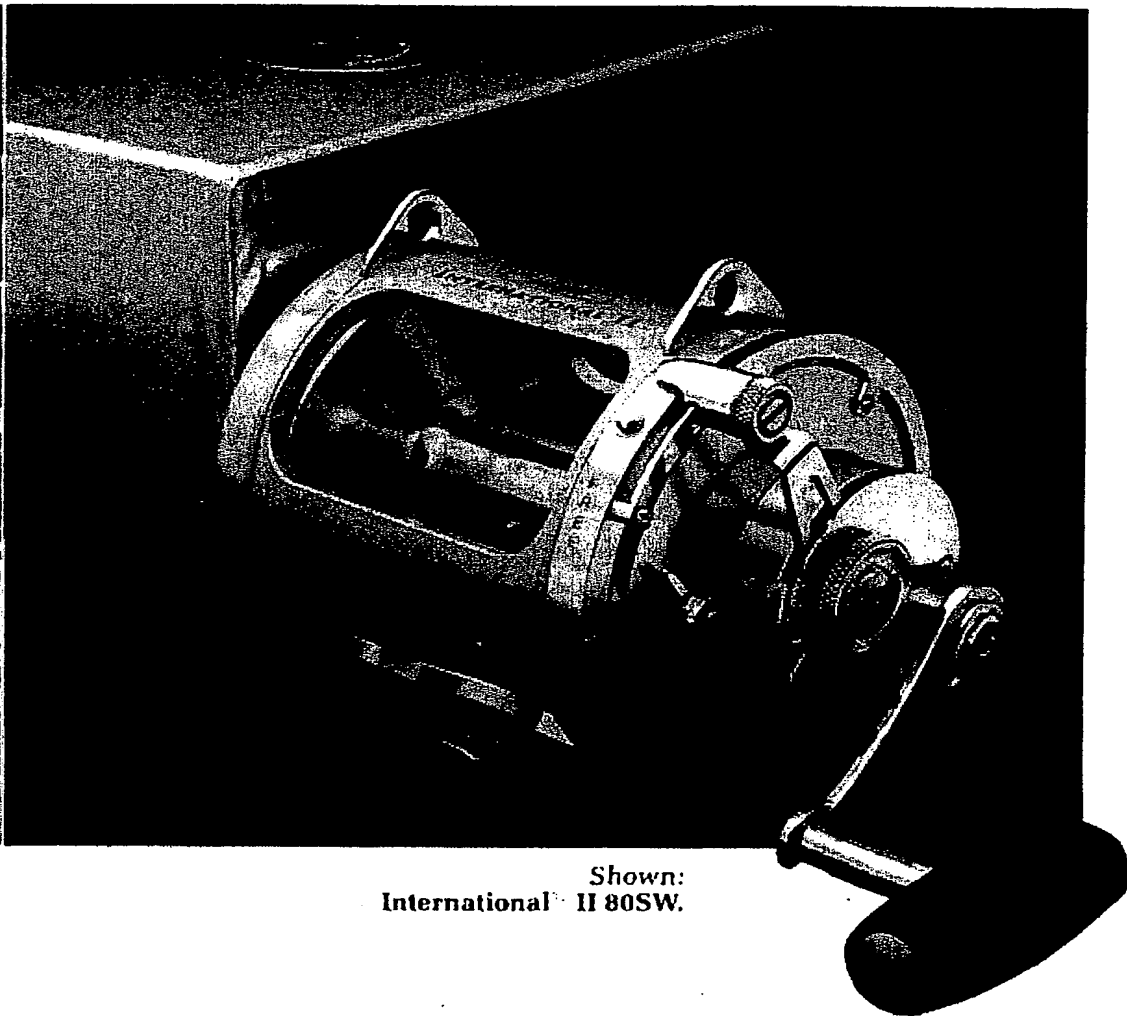
Redesigned this year to be louder, more distinctive and more durable than ever before! And it's easier to service, too.

Other Quality Features

Double-dog design, prevents internal damage from sudden, powerful strikes • One-piece solid brass rod clamp, chrome plated to resist corrosion • Rod braces secure rod to reel • Harness lugs secure reel to angler • Sturdy, contoured barrel handle with sealed oil port.

Recommended Uses

The International's were designed for serious blue water anglers who would benefit from the choice of two speeds in a single tournament trolling reel. For large offshore gamefish such as; bluefin and yellowfin tuna, blue and black marlin, mako and great white shark.



Shown:
International II 80SW.

Change speeds instantly with Penn's patented push-button gear shift system.

Penn

INTERNATIONAL[®] SERIES

Designed to endure and defeat the great bluewater giants, the Penn International[®] Series has become the world's standard in tournament fishing reels.

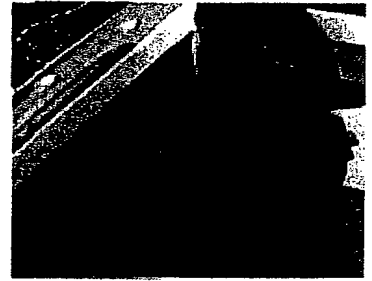
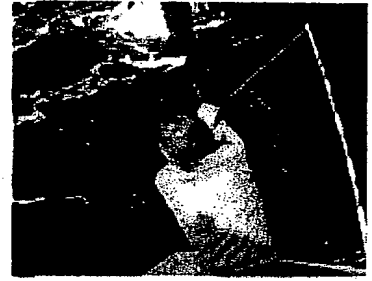
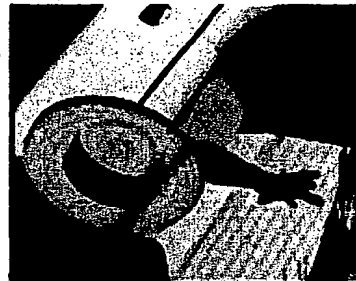
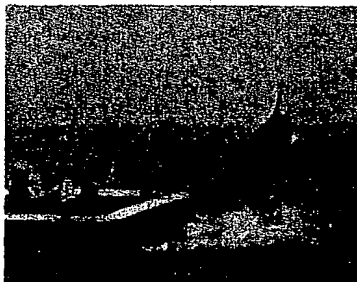
Offshore anglers the world over have come to respect the solid craftsmanship, unfailing components and proven features of the Penn International[®] Series. Made with pride in the United States.

A Penn International[®] is the best you can buy! And we keep making them even better. This year Penn introduces a new International[®]... the 50'FW, featuring a rugged one-piece frame for unparalleled strength and rigidity.

Check the International Game Fish Association (IGFA) all-tackle records and you'll find Penn Internationals[®] virtually dominate the book.

Few other reels are a match for the unrelenting power of a mighty broadbill, the scorching runs of a bigeye tuna, or the sheer bulk of a half-ton black marlin.

That's why the Penn International[®] Series is truly the measure of excellence in the world of offshore big game angling. Penn International[®]... the one and only tournament reel for the serious offshore angler.



A Wide Selection

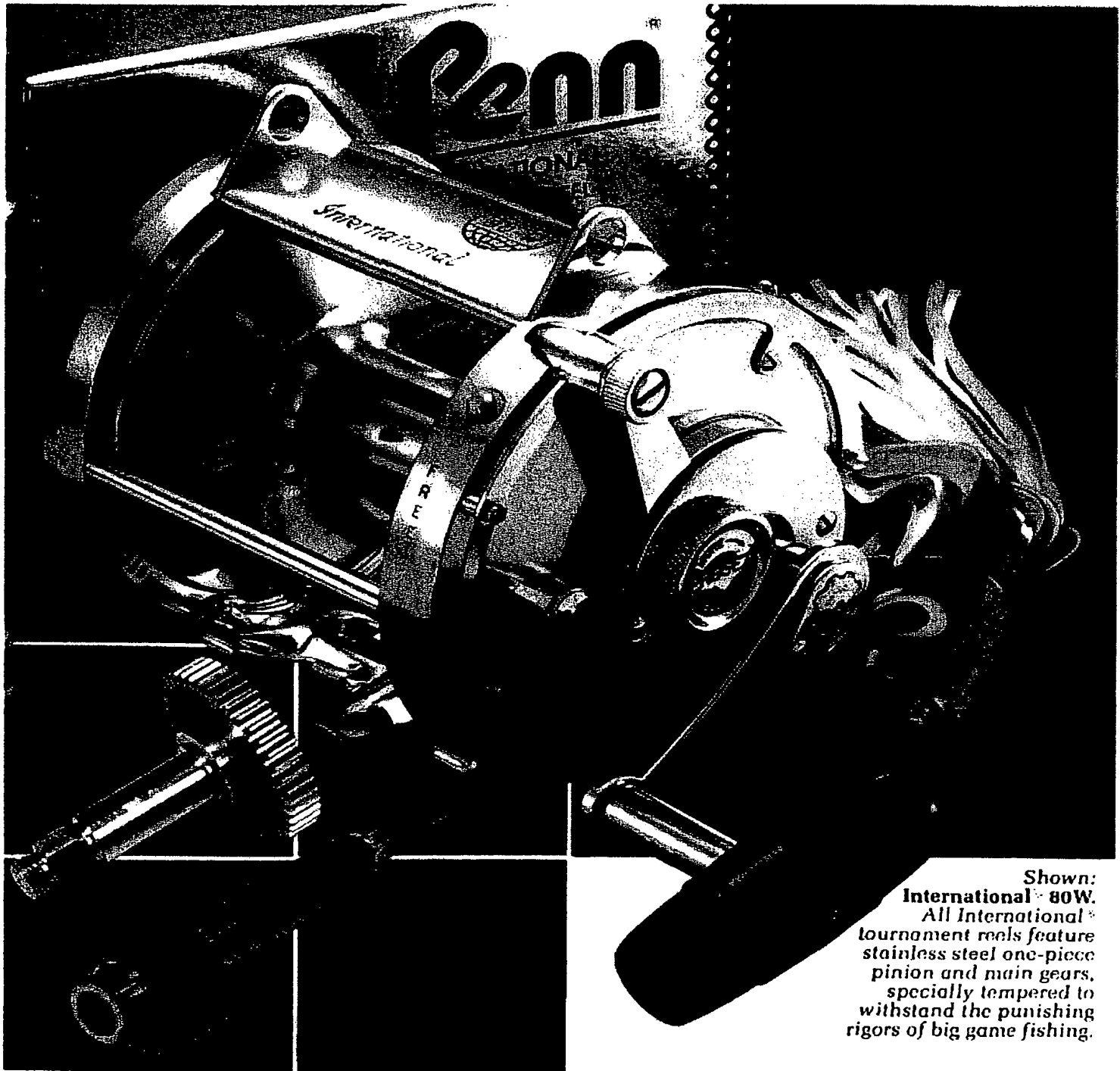
There are ten hand-finished models in the standard Penn International® Series, ranging from the goliath 130H to the light and fast 12T IGFA class reel. Each

and every International® is built to rigid specifications to last a lifetime and beyond.

Serious big water fishermen have come to depend on these famous Penn International® features.

Preset Drag Control

Depending on line weight, type of fish, or action expected, you can adjust the preset control knob, and it automatically keeps drag tension within safe limits.



Shown:
International® 80W.
All International®
tournament reels feature
stainless steel one-piece
pinion and main gears,
specially tempered to
withstand the punishing
rigors of big game fishing.

INTERNATIONAL SERIES

Precision Drag Design

Powerful bonded disc drag, now featuring 111 100" drag discs that dissipate heat fast. Larger than normal surface area allows sustained braking power and greater control during prolonged battles.

120° Arc Lever Drag

Depending on the situation, you can increase pressure on a fish by adjusting the arc lever drag forward...or reduce drag if necessary by bringing the lever backward.

Set Stops

Penn Internationals[®], except for the model 12T, feature three set stops, which act as references while you are fishing. With the lever at the "free" position, there is no drag pressure.

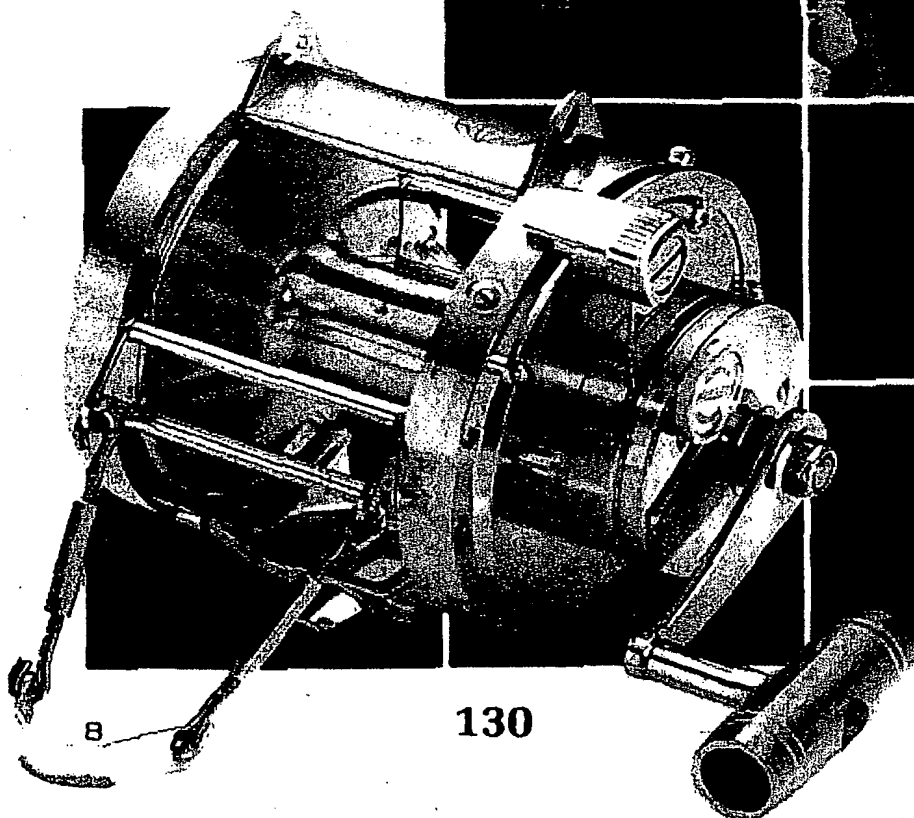
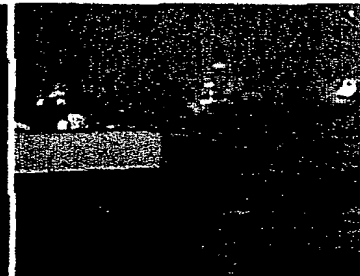
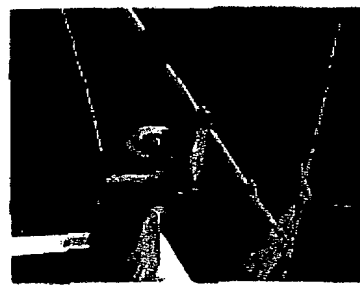
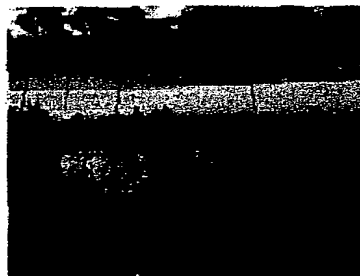
With the lever at the "strike" position, you are ready to set the hook and play the fish. The "full" stop setting allows a few extra pounds of drag when you need it.

Perfectly Balanced Frame

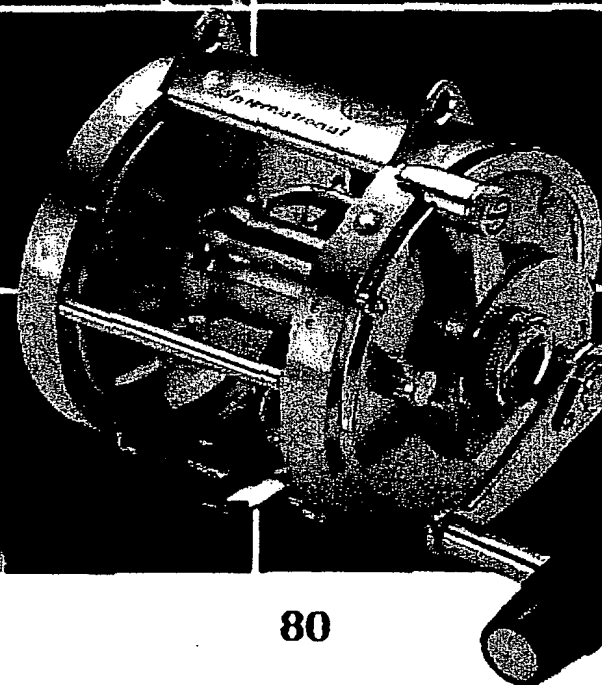
Penn Internationals[®] are painstakingly balanced. All components are perfectly aligned to rigid specifications. That means no wobbling. No torquing. Even under hours of fish-fighting pressure.

Forged Aluminum Spool and Side Plates

There's no compromising of quality in the Penn Internationals[®]. The strength, light weight and precision of forged aluminum components—though expensive—is the only way to guarantee years of flawless performance. With the Penn Internationals[®], popped side plates and exploded spools are a thing of the past.



130



80

STANDARD OF THE WORLD



Improved Clicker System

Penn has redesigned the clicker on all but the 12T, giving anglers a louder, more distinctive and more durable strike alert system. And the new International clicker is easier than ever to service, when needed.

Stainless Steel Gears

Nothing compares with stainless steel for combining strength and corrosion resistance in saltwater. This is why the engineers at Penn select tempered stainless for the one-piece pinion gear, spool shaft, main gear and drag cam. All meticulously designed and machined to function with the smoothness of a fine watch.

Shielded Stainless Steel Ball Bearings

Penn Internationals feature sealed stainless steel ball bearings for smooth efficiency—no matter the pressure.

Double-Dog Design

This Penn International exclusive protects your reel from the potential damage of a sudden and powerful strike by a large gamefish.

The dog mechanism is what prevents the handle from turning backward.

Harness Lugs and Rod Braces

Sturdy rod braces secure reel to rod. Harness lugs atop the frame allow anglers to snap on a shoulder or back harness for positive support when fighting fish, or secure the rod and reel with a safety line when trolling.

One-Piece Rod Clamp

Precision made solid brass rod clamp is chrome-plated to resist corrosion and abuse.

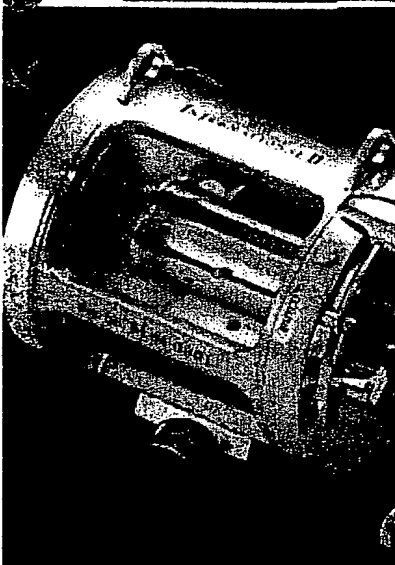
PENN INTERNATIONAL SERIES SPECIFICATIONS

MODEL	LINE CAPACITY (YDS MONO or DAKRON)	GEAR RATIO	WEIGHT (OZ)
130	850/130 1200/80	1.6-1	196
130H*	850/130 1200/80	2.3-1	196
80W*	950/80 625/130	2.7-1	114
80	750/80 550/130	2.7-1	108
NEW 50TW	800/50 600/80	3-1	72
50	600/50 400/80	3-1	67

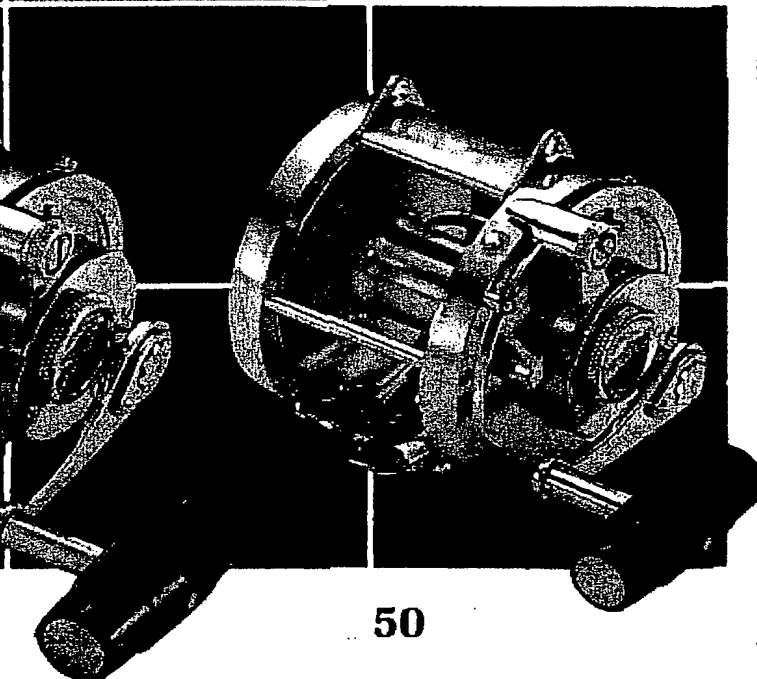
*Not Shown.

Recommended Uses

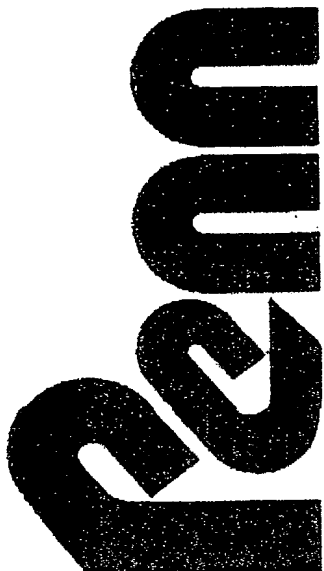
The Penn 130, 130H, 80W, 80, 50TW and 50 are built for trolling and fishing big baits with 120 to 50 lb. test line for immense gamefish: giant bluefin tuna, broadbill swordfish, black marlin, blue marlin, great white shark, big yellowfin tuna and similar species.



NEW 50TW



50

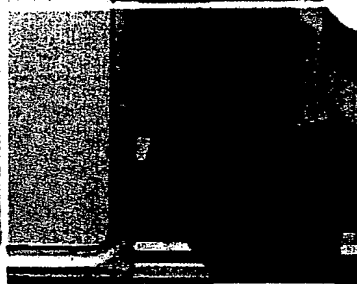
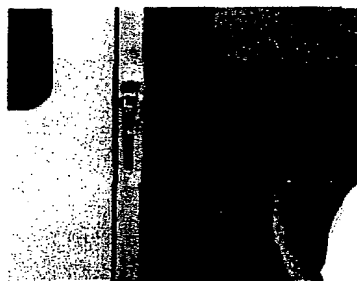
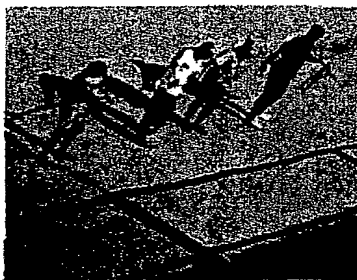


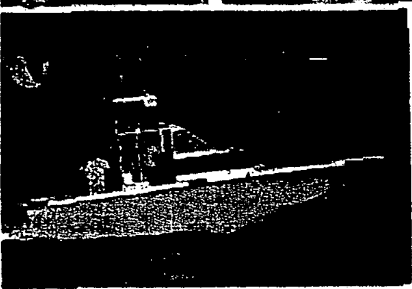
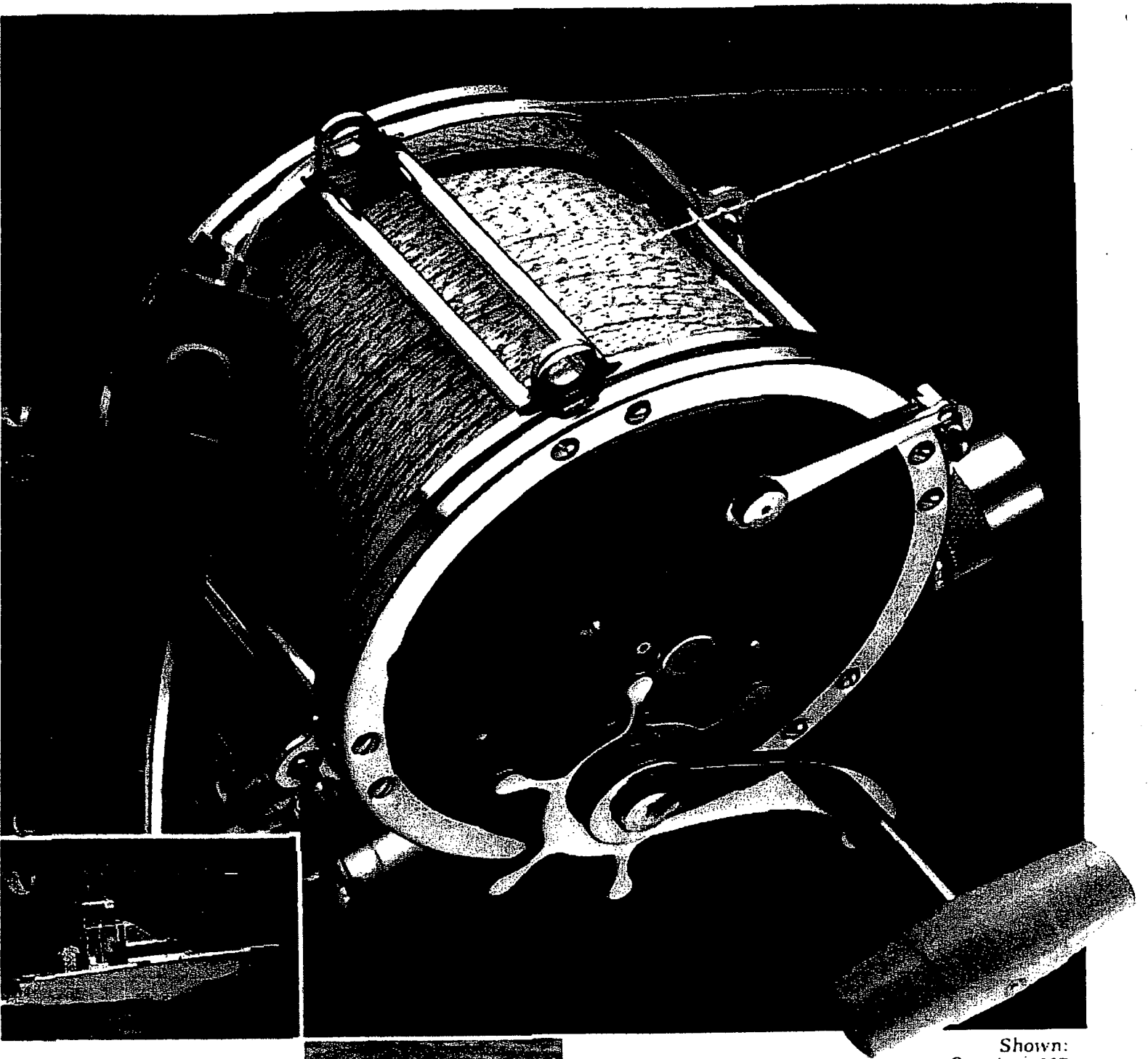
SENATOR® SERIES

Year after fish-fighting year, anglers using Penn Senators® have amassed more outstanding catches and big game records than all other makes combined.

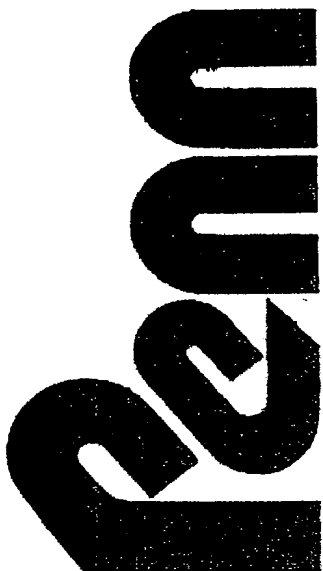
From Baja to South Africa, from New Zealand to the Gulf Stream, Penn Senators® are the standard in which dedicated anglers and tournament pros place their faith.

There are reasons the professionals choose Penn. Quality. Reliability. Performance. And Penn reels are easy to service and maintain. Parts are obtainable from thousands of dealers throughout the world.





Shown:
Senator 117
features heavy duty precision machined gears,
chrome-plated bronze spool, Penn star drag system,
high-strength side plates, rod braces, harness lugs
and more.



SENATOR[®] SERIES

From 16/0 to 3/0

There are eight heavy duty trolling reels in the Senator[®] Series. From the monstrous 118 (16/0 size) to the gutsy 112 (3/0), each is designed to give anglers

the widest choice of options and features available in a quality reel worthy of the Penn name.

Heavy Duty Side Plates

Tough, molded side plates provide the strength fishermen need in a reel. Two chrome-plated brass rings with chrome-plated

frame posts maintain the rigidity to hold the spool securely in place.

Torpedo Handle

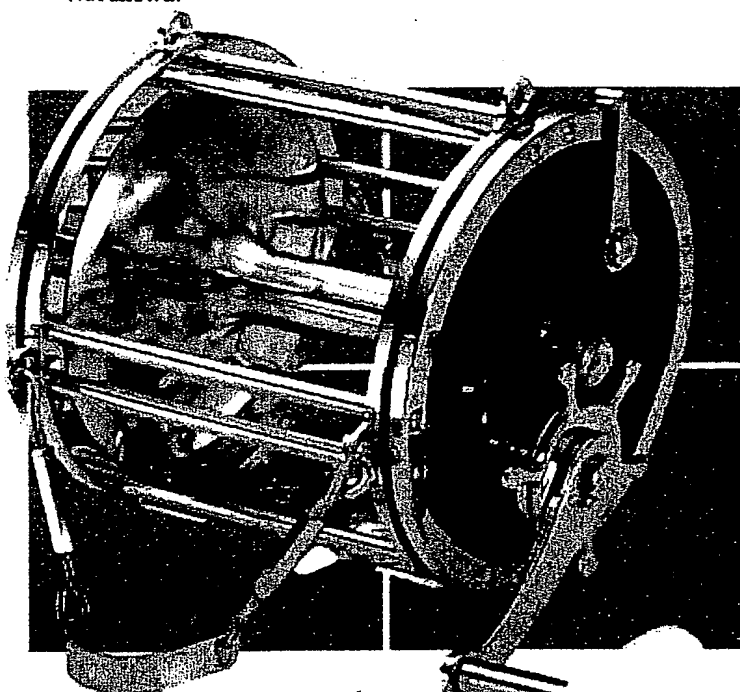
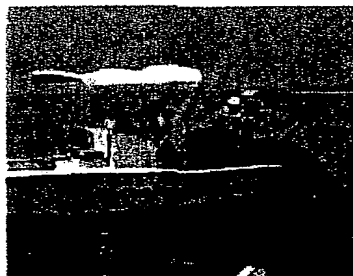
Large, beefy handle provides a secure grip—with oil port for easy servicing.

SENATOR[®] SERIES SPECIFICATIONS

MODEL	LINE CAPACITY (YDS/MONO) (YDS/DACRON)	GEAR RATIO	WEIGHT (OZ)
16/0	350/130		
118	1000/130 1250/80	1.6-1	174
14/0*	750/130		
117	1050/100 850/130	1.6-1	162
12/0	800/80		
116	800/80 550/130	2-1	110
10/0*	675/80		
116A	650/80 450/130	2-1	100

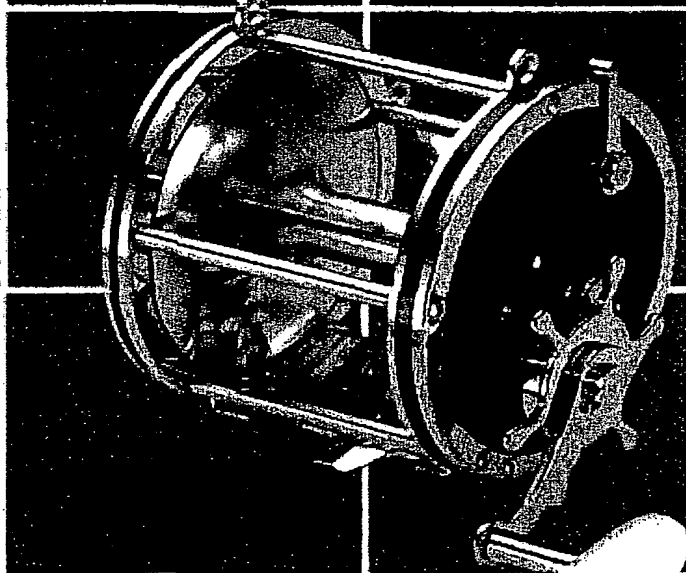
Left Hand Versions Available On All Models
*Not shown.

At right:
Capt. Frank Mundus,
renowned skipper of the
Cricket II charter boat out
of Montauk, NY. Mundus
relies on Penn Senators[®] to
catch some of the biggest
sharks on record.



14

16/0
118



12/0
116

STANDARD OF THE WORLD



Rod Braces

When the pressure is on, it's good to know your reel is additionally supported by rugged braces. Sturdy, chrome-plated brass rod clamp is built to fit securely over any saltwater rod seat. Harness lugs allow extra support and security.

Top Quality Spools

All Senator[®] reels feature heavy duty, machined spools—made strong and corrosion resistant for rugged use in saltwater.

Ball Bearings

Stainless steel ball bearings are standard on models 118 through 115. Models 114 through 112 feature precision Penn bushings.

Improved Drag System!

The famous Senator[®] star drag system is now even better. All reels feature new HT 100 friction washers—the smoothest, most durable drag material known to man. Won't freeze up or fade. And HT 100 is resistant to oil, grease and water. Finally, the perfect complement to Penn's proven, powerful and precise star drag system.

Husky Long Lasting Gears

Penn Senators[®] feature a stainless steel pinion gear with a high-strength bronze alloy main gear for the best combination of strength, durability and corrosion resistance.

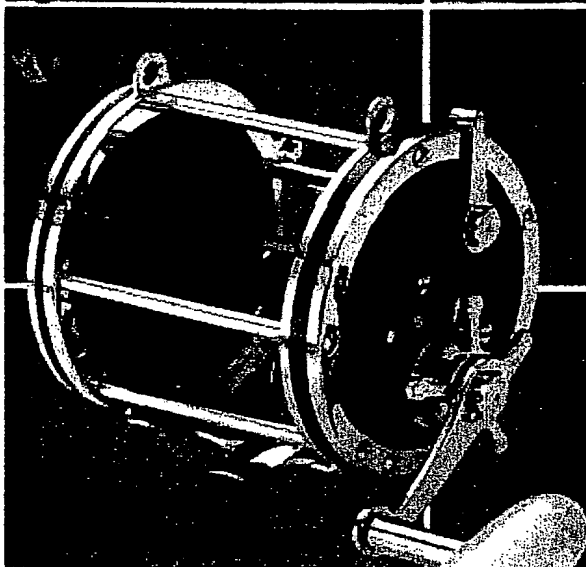
Recommended Uses

These are heavy duty trolling reels for truly big game species such as: giant bluefin tuna, marlin, broadbill swordfish, mako and great white shark, giant sea bass and jewfish.

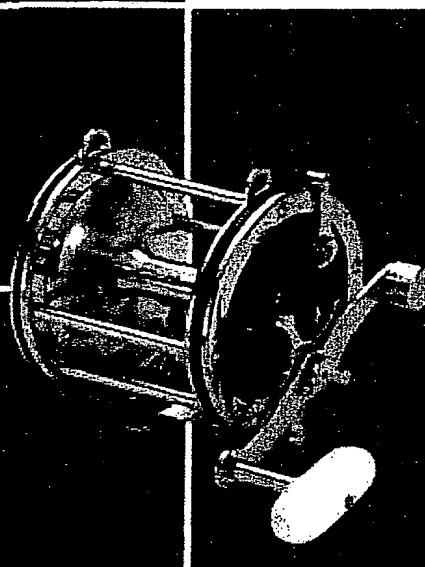
SENATOR[®] SERIES SPECIFICATIONS

MODEL	LINE CAPACITY (YDS/MONO)	GEAR RATIO	WEIGHT (OZ)
	(YDS/DACRON)		
9/0	675/50	2.5-1	55
115	650/50 400/80		
6/0*	415/50		
114	400/50 250/80	2.1-1	48
4/0	300/30		
113	450/30 250/50		
3/0	375/30	2.25-1	26
112	350/30 200/50		

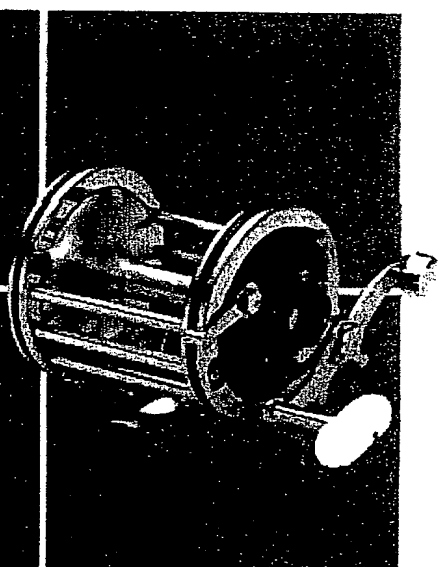
Left Hand Versions Available On All Models
*Not shown.



9/0
115



4/0
113



3/0
112



**THE GREAT
AMERICAN
REEL COMPANY**

Penn Fishing Tackle Manufacturing Company
3028 West Hunting Park Ave., Philadelphia, PA 19132, U.S.A.
Telephone: (215) 229-9415 Cable Address: "PENNREEL" TWX 7106701450

PENN
The Biggest Name in Fishing!
**Two Speed
Lever Drag**

130ST
80STW
70VS
50VSW
50S
30S
16S

**Single Speed
Lever Drag**

80TW
50TW
50T
30TW
30T
20T
12LT

Baitcaster

975LD
975CS
975
965
955

Fly

4G-AR
4G
2.5G

**Other
Products**

Reels

Rods

Combos

Accessories

NEWS

HISTORY

PRODUCTS

WARRANTY
SERVICE

PARTS

REPAIR

HOME

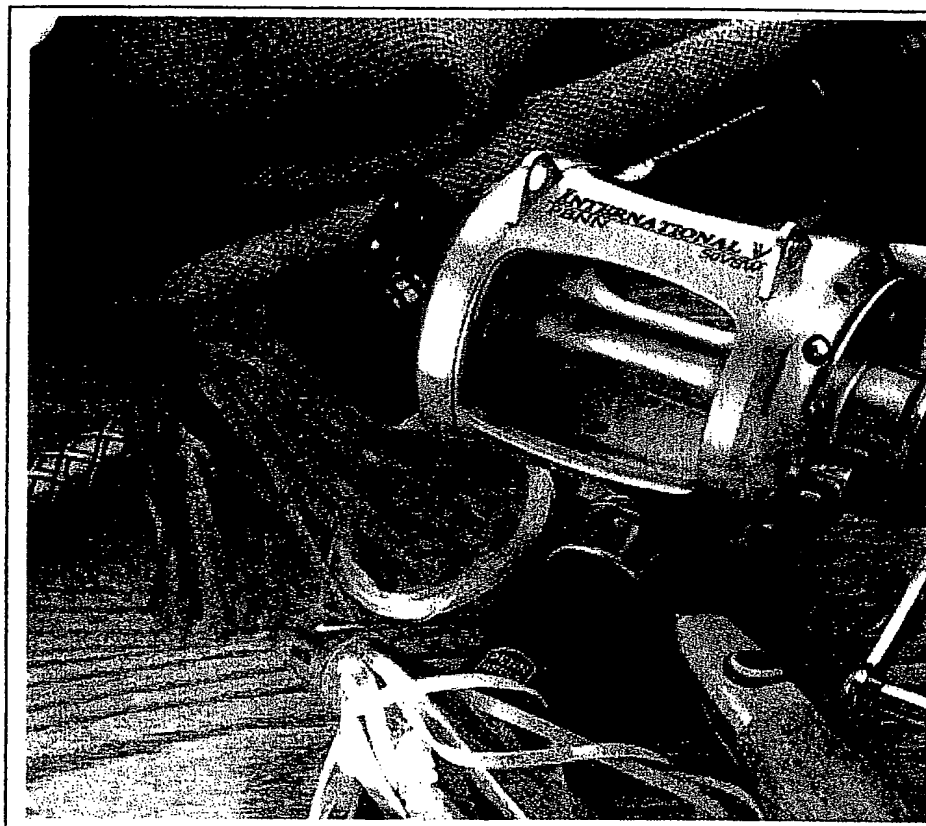
TOURNAMENTS

ON-LINE
STORE

STORE
LOCATOR

CONSERVATION ADVER

International®



Penn's International Line Up. Seven two speed models and reels comprise the International big game lever drag series. The lever drags cover virtually all IGFA big game classes, from 1 class

Penn Tackle Mfg. Co., 3028 West Hunting Park Ave., Philadelphia, PA
Telephone: (215) 229-9415 * Fax: (215) 223-3017

EXHIBIT C 1 of 4 Appendix F



PENN*The Biggest Name in Fishing!*

NEWS HISTORY PRODUCTS WARRANTY SERVICE PARTS REPAIR SHOP
 HOME TOURNAMENTS ON-LINE STORE CONSERVATION ADVERTISING
 STORE LOCATOR

Senator

112H

113

113H

114

114H

115L

116L

117L

**Senator
Wide**

113HLW

114HLW

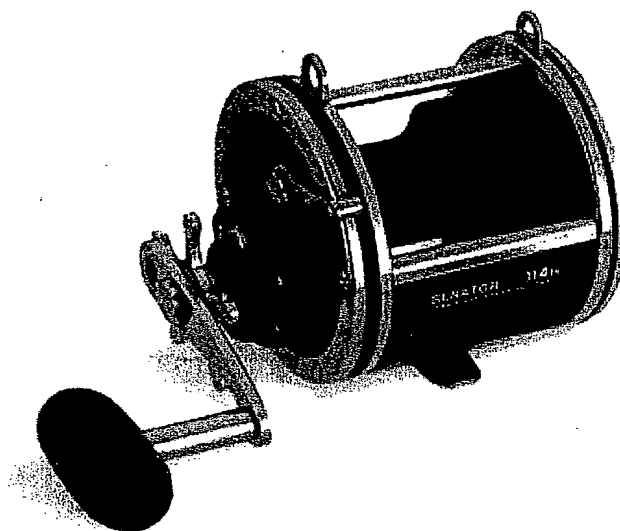
**Senator
Wire Line
113HSP****Other
Products**

Reels

Rods

Combos

Accessories

Senator®

Penn's Senator Line Up. Nine models comprise the the pop heavy duty star drag reels. These world renowned workhorse re dependability and quality. Saltwater charter captains, mates, an that the Penn Senator is the reel of choice for offshore fishir speed retrieve ratios and sealed stainless steel ball bearings.

These American made reels are perfect for casting to wahoo wreck fishing for amberjack, trolling for stripers, drifting for bluev marlin to bottom fishing for grouper, cod, tautog, and rockfish features models ranging from 30-lb. class all the way to the 1; your offshore fishing needs, there is a Senator up to the task. F some of the most trusted star drag reels available. It's no wor hold more IGFA records than all other makes combined.

Penn Tackle Mfg. Co., 3028 West Hunting Park Ave., Philadelphia,
 Telephone: (215) 229-9415 * Fax: (215) 223-30
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EXHIBIT C 3 of 4

